

ABSTRACT

Please replace the originally filed abstract with the following:

A non-invasive method of obtaining a target soundwave field in the brain (19) by means of an array (17) of transducers positioned outside the skull (14), the method comprising a training stage during which, on the basis of a three-dimensional image giving the porosity of the skull at all points, digital simulation is used to determine individual sound signals to be emitted by the transducers in order to obtain the target soundwave field in the brain. After the training stage, the array of transducers is used to locate the position of the array of transducers relative to the skull by echography and to ensure that the array of transducers is accurately positioned.